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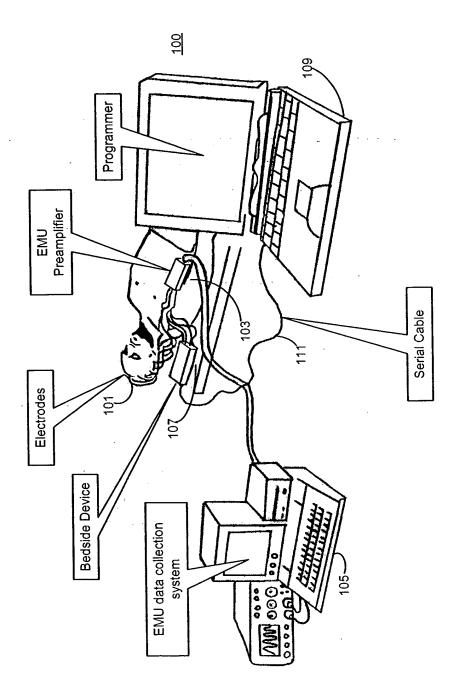


FIG. 1 (CR-ECS configuration)

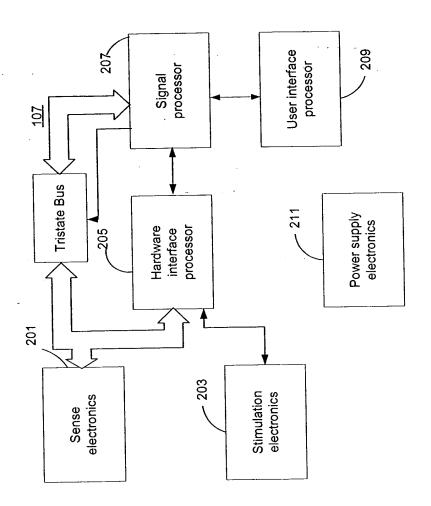
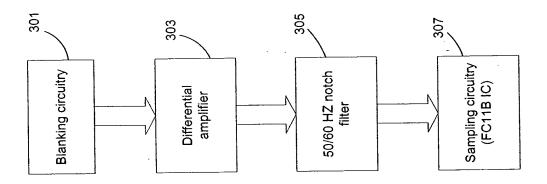


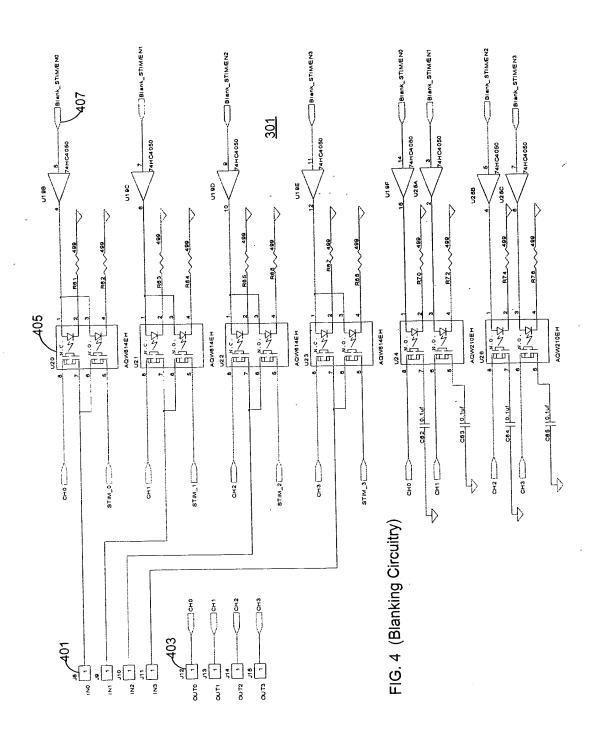
FIG. 2 (Bedside device configuration)

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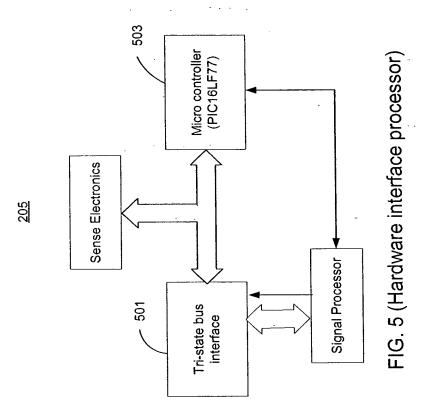
FIG. 3 Sense electronics configuration



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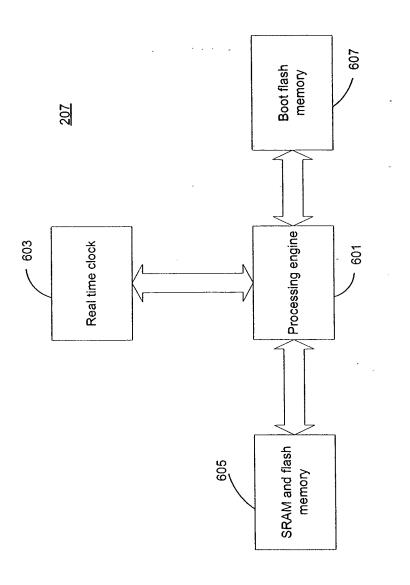


FIG. 6 (Signal processor)

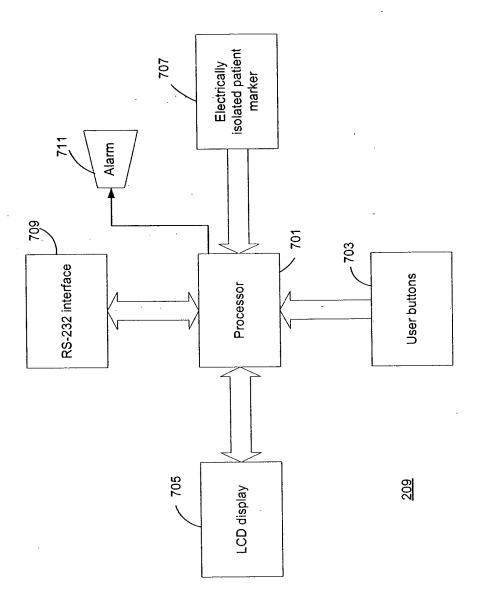


FIG. 7 (User interface processor)

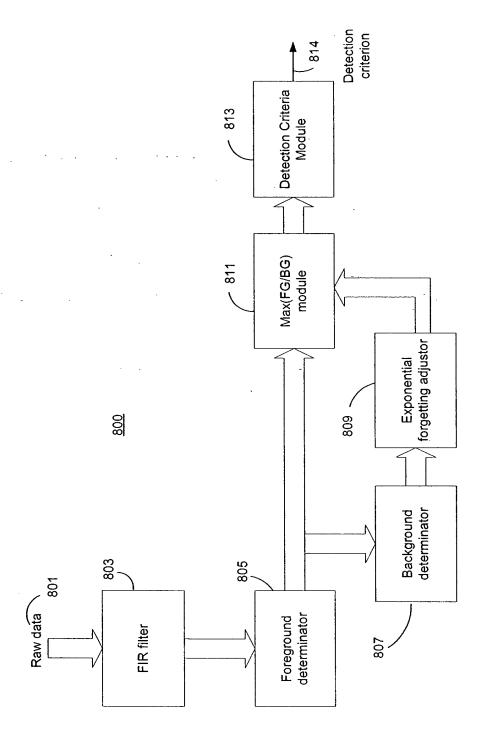
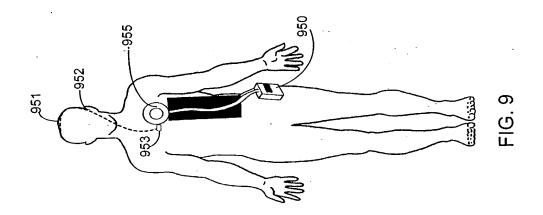


FIG. 8 (Seizure detection algorithm)

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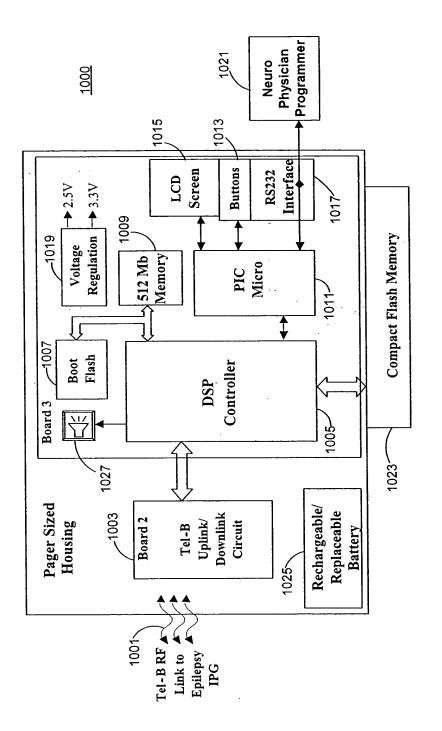


FIG. 10 (Epilepsy external device diagram)

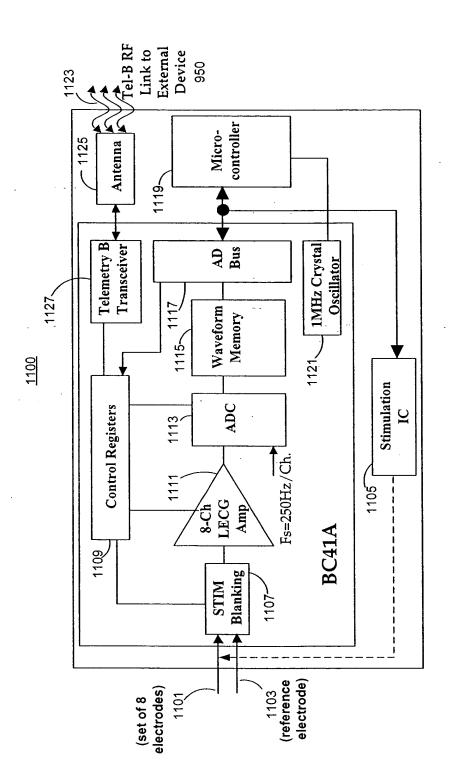
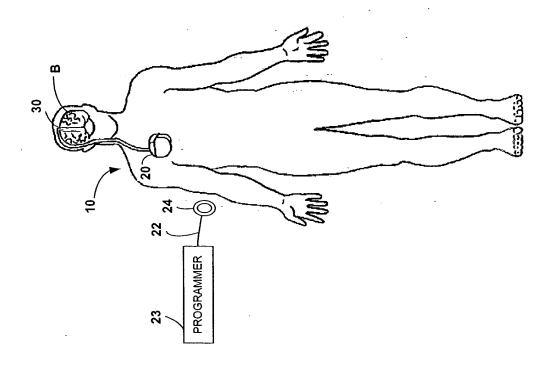


FIG. 11 (Epilepsy implantable device diagram)

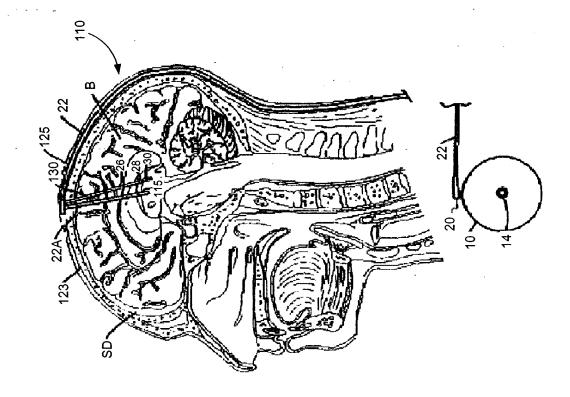
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FIG. 12

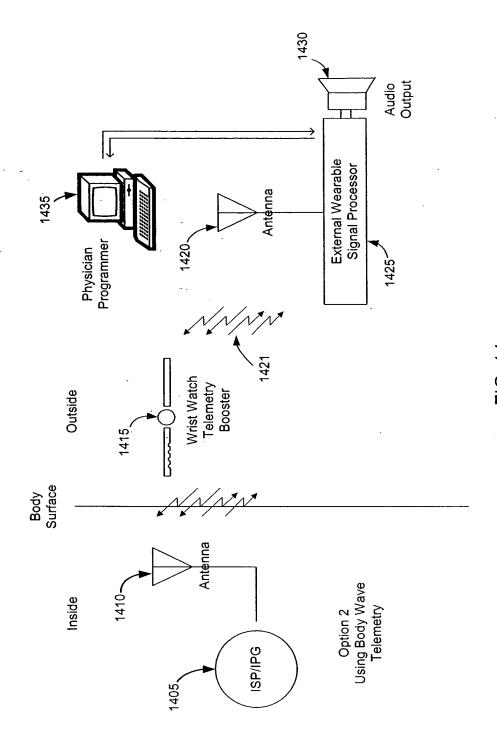


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FIG. 13

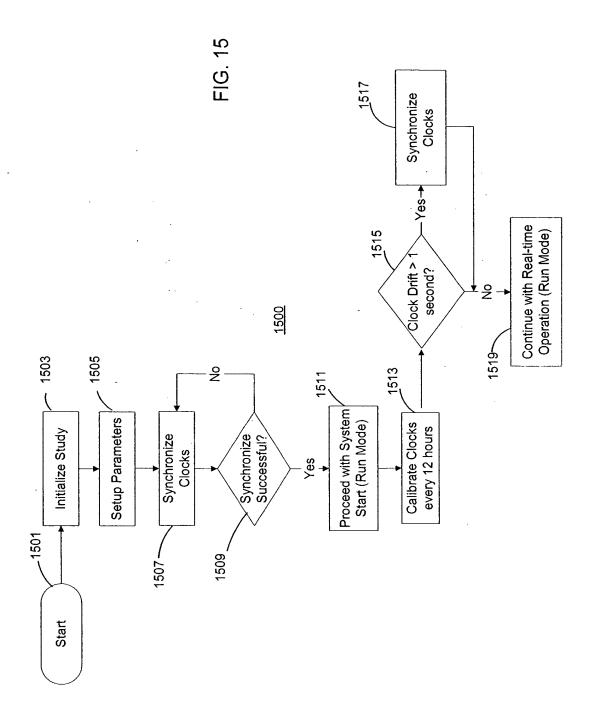


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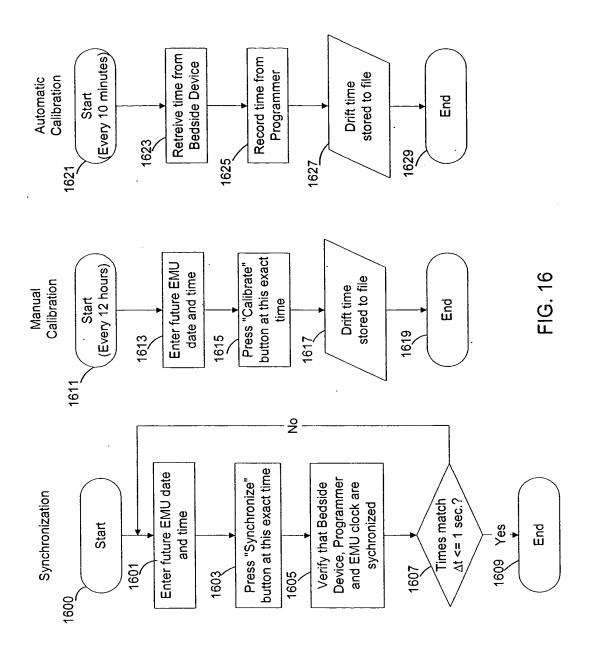


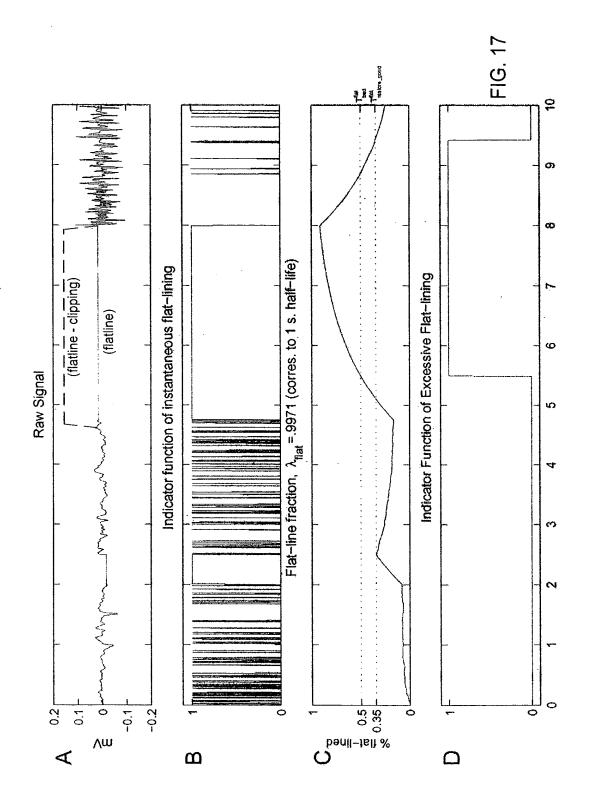
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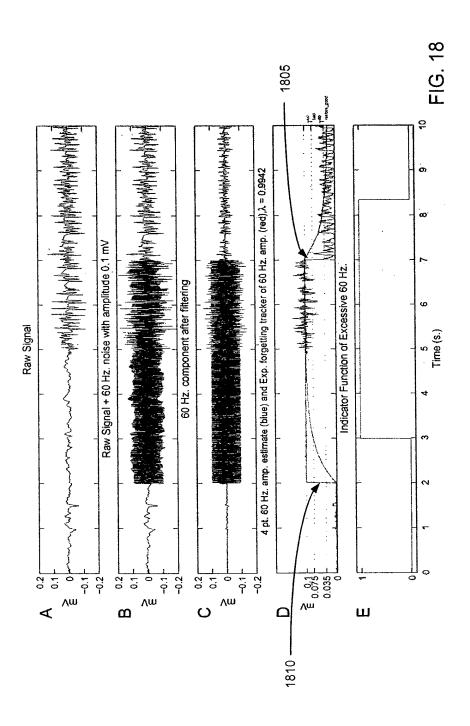
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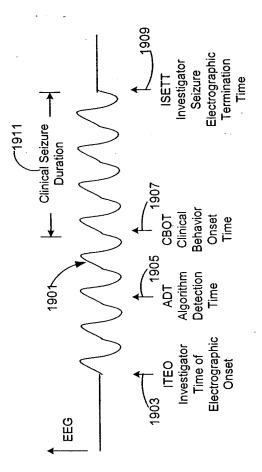
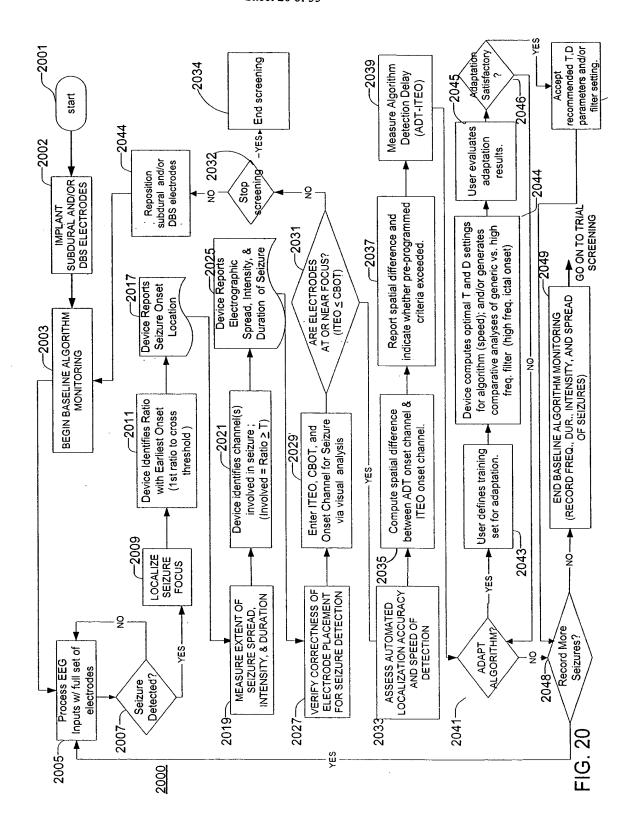
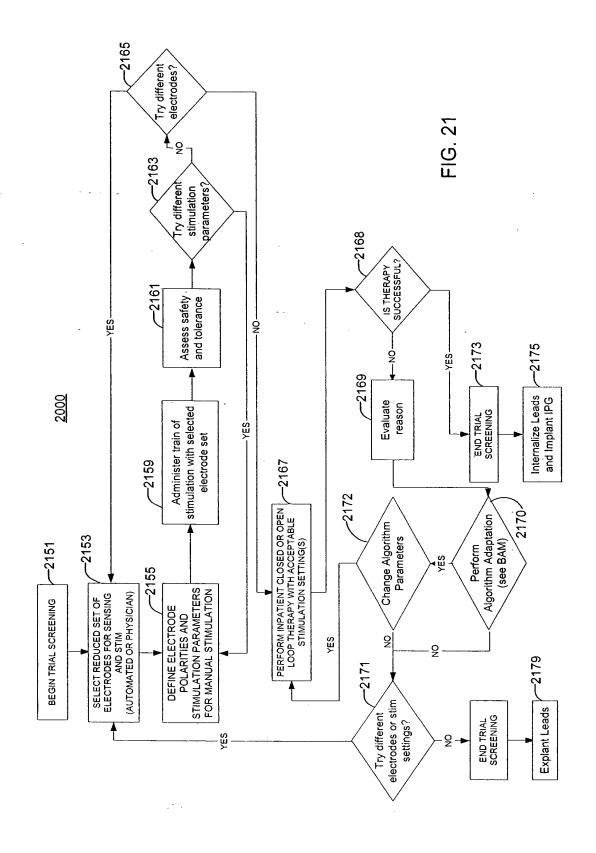


FIG. 19

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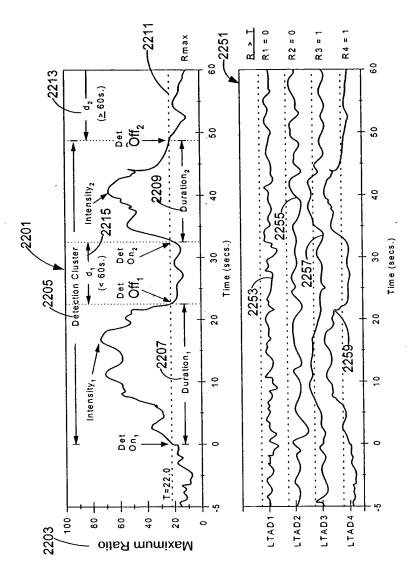
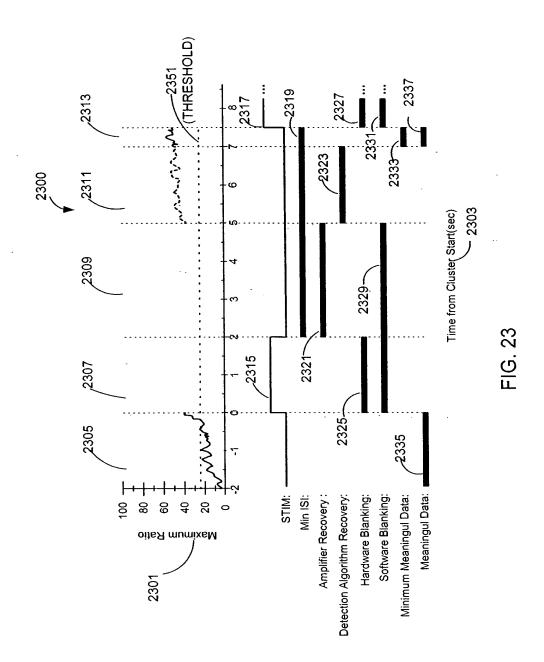


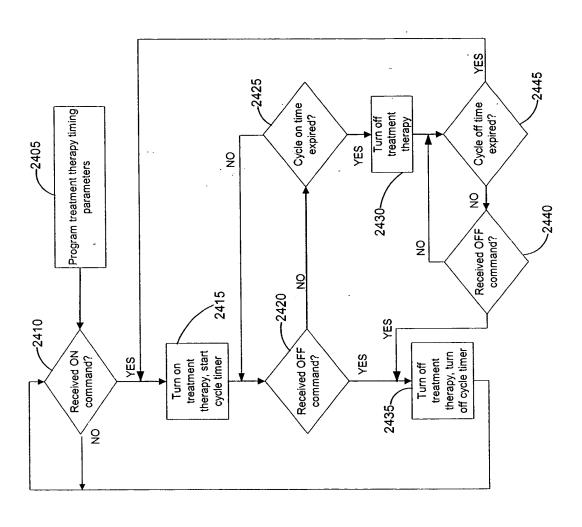
FIG. 22 (Clustering)

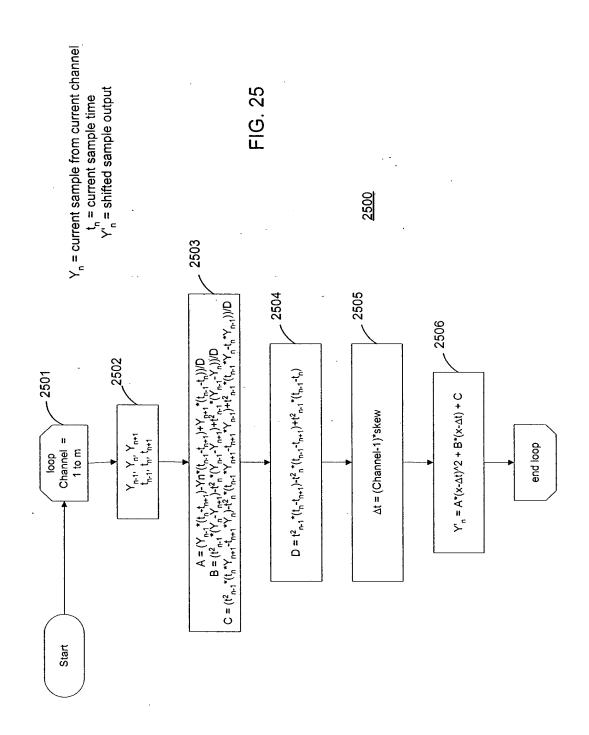
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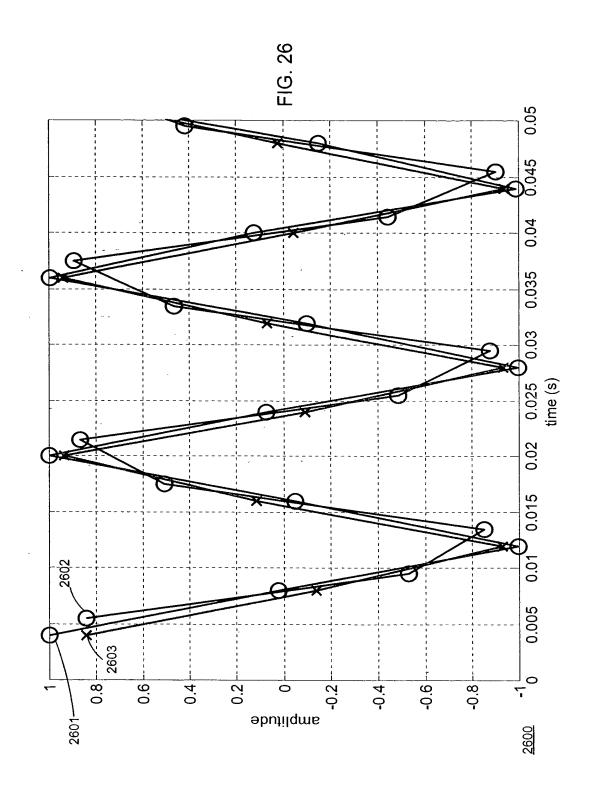
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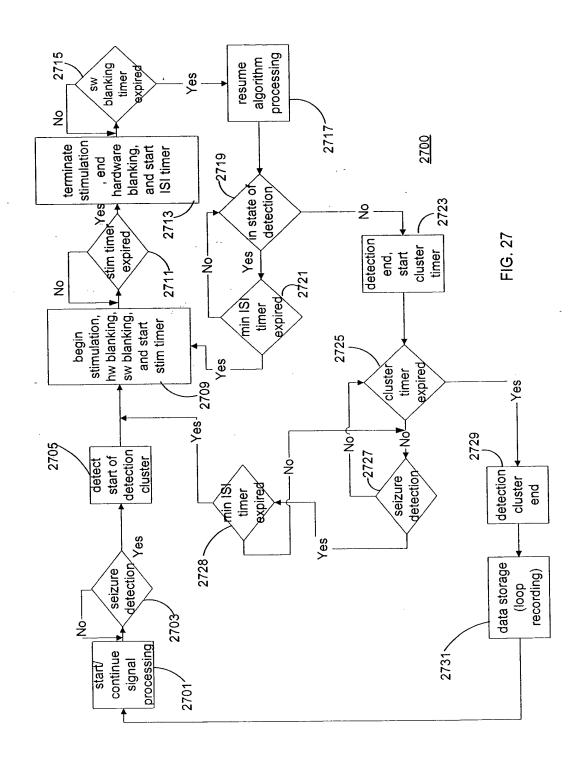
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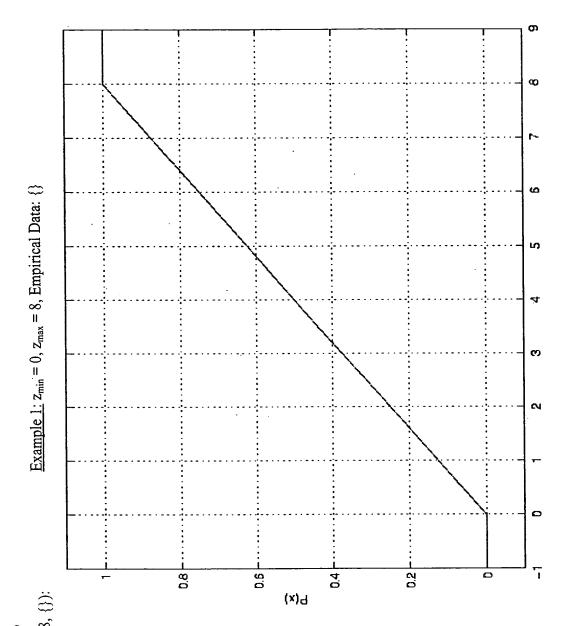
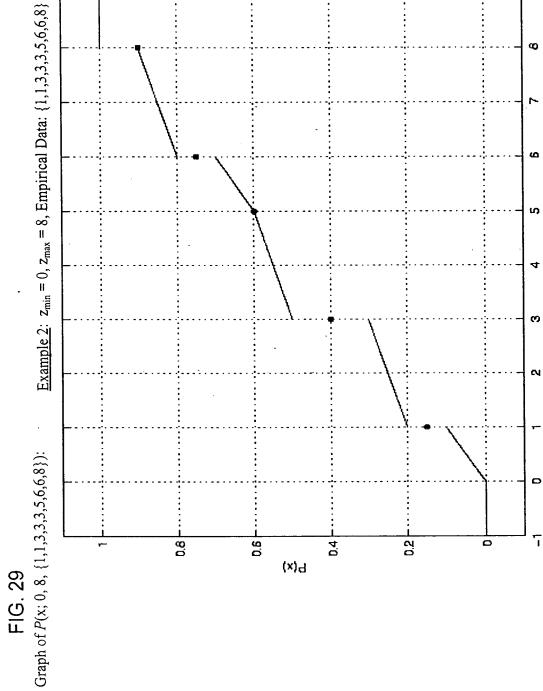
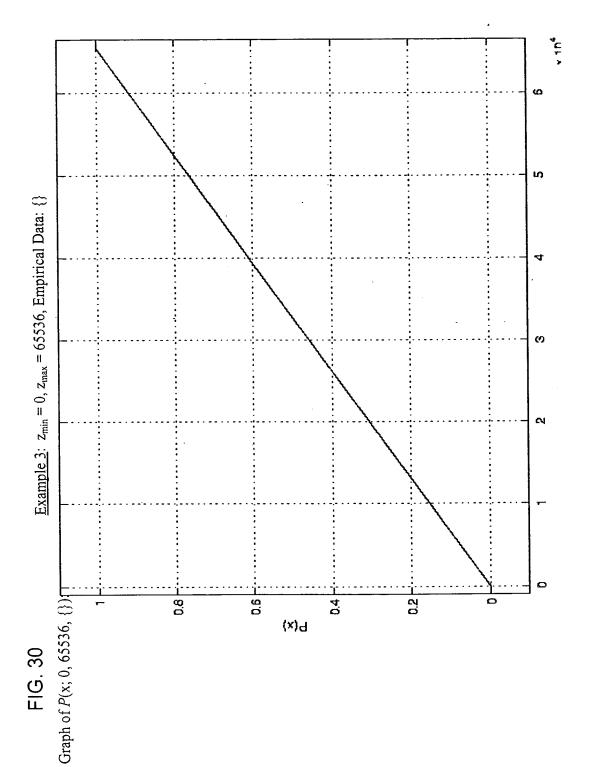


FIG. 28 Graph of $P(x; 0, 8, \{\})$:

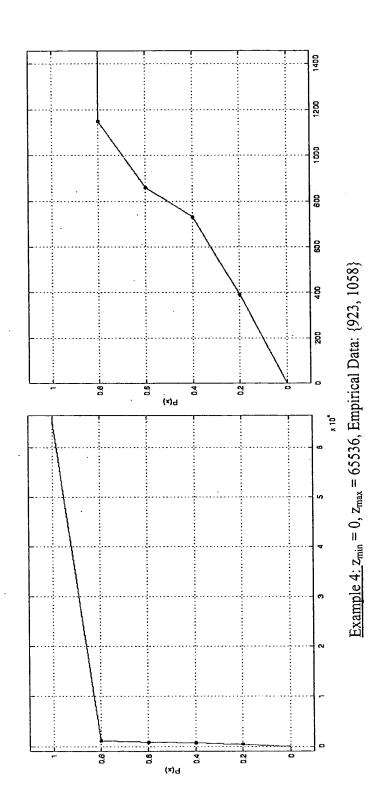


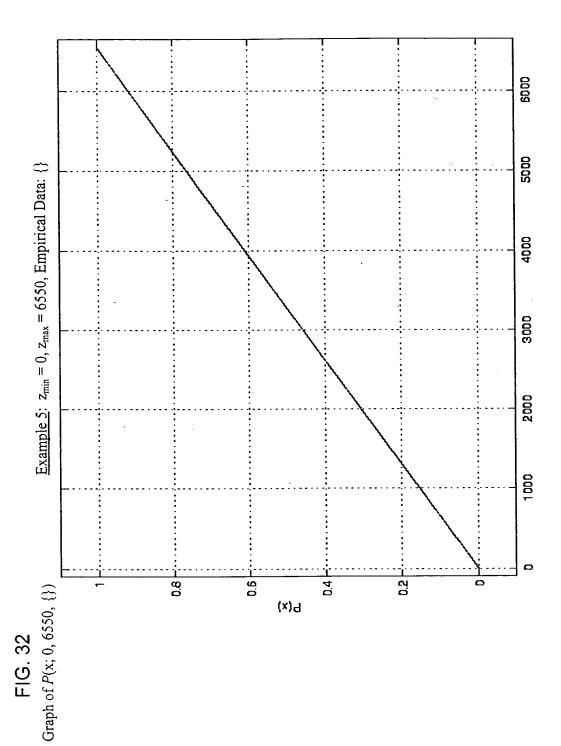
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Graph of $P(x; 0, 65536, \{\text{round}([35.2, 41.3, 18.9, 55.1]*(250/12))\}) = P(x; 0, 65536, \{394, 733, 860, 1148\})$





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Example 6: $z_{min} = 0$, $z_{max} = 6550$, Empirical Data: {34.7, 103.1, 115.6, 189.9} Graph of $P(x; 0, 6550, \{34.7, 103.1, 115.6, 189.9\})$ 80 0.2